

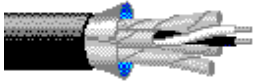
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FULL TECHNICAL SPECS



3007A Paired - Power Limited Tray Cable 300 Volts

Total # Cond.		# Pairs			
16		8			
AWG	Stranding	Type	Insulation	Insulation Thickness (in.)	Shield
22	(7x30)	BC - Bare Copper	PVC - Polyvinyl Chloride	.01400	Individual/Overall Aluminum Foil-Polyester Tape
Jacket	Jacket Thickness (in.)	Nom. Core OD (in.)	Nom. OD (in.)	Nom. Cond. DCR (Ohms/M')	Nom. Cap. (pF/ft)
PVC - Polyvinyl Chloride	.0530	.4140	.5200	16.000	38.000
<div> <div>For technical data, click the button below</div> <div>Tech Data</div> <div>or call 1-888-Belden8</div> </div> <div> <div>For available colors, click the button below</div> <div>Put-ups & Colors</div> <div>or call 1-888-Belden8</div> </div>					
Description					
<p>Paired, 8 pairs, 22 AWG, stranded (7x30) BC - Bare Copper conductors, PVC - Polyvinyl Chloride insulation, Individual Aluminum Foil-Polyester Tape (Beldfoil) shield with a 24 AWG stranded (7x32) tinned copper drain wire, Overall Aluminum Foil-Polyester Tape (Beldfoil) shield with a 24 AWG stranded (7x32) tinned copper drain wire, sunlight resistant PVC - Polyvinyl Chloride jacket with a nylon ripcord. Applicable Specifications: UL PLTC, ITC, CMG, CSA C(UL) CMG, FT4, IEEE 1202. Flame Resistance: UL 1581 Vertical Tray Flame Test, CSA FT4. Power Limited Tray Cable. Industrial Automation & Process Control Cables. Tinned copper conductors available as a special. Other insulation and jacket options are available. These cables are suitable for installation in wet or dry locations. Cable jackets are sunlight resistant, impervious to moisture and vapor penetration, and non-propagating. Alternate conductor color coding is available as a special order. Multiple pair cables have each pair numbered for ease of identification. Individually shielded and overall shielded - individually shielded pairs with an overall shield are recommended for use in instrument and control applications where optimum noise rejection is required. Individual pair shields are fully isolated from each other and contain a separate drain wire for grounding, to provide maximum protection from crosstalk and common mode interference. Cables with an overall shield provide additional electrostatic noise protection. BELDFOIL is a Belden registered trademark.</p>					

Disclaimer: Great effort is made to ensure the accuracy of the information presented, but errors or omissions may occur. This listing of information is presented as a courtesy and does not ensure that a product with these specifications is available. Specification and availability should be confirmed with a call to our sales representative or to Customer Service. Have a question? Call us at 1-800-BELDEN-1 or send

us a [comment](#)

Belden Wire & Cable Company

Product Code

3007A

TECHNICAL
DATA SHEET

11-17-00 REV. 1

3007A

I. DESCRIPTION:

 POWER LIMITED TRAY CABLE - 8 PAIR 22 AWG (7X30) BARE
 COPPER, INSULATED, INDIVIDUALLY BELDFOIL SHIELDED W/
 24 AWG (7X32) TINNED COPPER DRAIN WIRE. OVERALL FOIL
 SHIELDED W/ 24AWG (7X32) TINNED COPPER DRAIN WIRE.
 + 1 #22 AWG BARE COPPER COMMUNICATIONS WIRE, PVC JACKET

II. ELECTRICAL CHARACTERISTICS:

 MAX. OPERATING VOLTAGE: 300 V RMS
 MAX. CONTINUOUS CURRENT PER
 CONDUCTOR @ 25 C: 3.5 AMPS
 NOM. CAPACITANCE BETWEEN
 CONDUCTORS OF PAIR @ 1 KHZ: 38PF/FT (ESTIMATED)
 NOM. INDUCTANCE OF PAIRS: .20 MICRO-H/FT
 CONDUCTOR DC RESISTANCE @ 20 C: 16 OHMS/1000 FT

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING	-30C TO +105C
INSULATION MATERIAL	PVC
JACKET MATERIAL (COLOR)	PVC (BLACK - SUN RES
NOM. JACKET WALL	.053"
NOM. O.D.	.520" ESTIMATED
TWISTED PAIR LAY LENGTH	1.5"(8 TWISTS PER FOOT
TENSILE STRENGTH:	250 LBS. ESTIMATED
MIN. BEND RADIUS:	5.25" ESTIMATED
NOM. WEIGHT/1000 FT:	165 LBS. ESTIMATED
APPLICABLE SPECIFICATIONS:	UL PLTC OR ITC OR CMG
	CSA C(UL) CMG, FT4,
	IEEE 1202
COLOR CODE:	BLACK, WHITE AND NUMBERED
	ORG. COMM WIRE
FLAME RESISTANCE:	UL 1581 VERTICAL TRAY
	FLAME TEST
	CSA FT4

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END OF DATA FOR PRODUCT - 3007A

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